

Converting Colors

CIELCh(50, 34.051, 247.110)

Have a look what the booklet for
CIELCh(50, 34.051, 247.110)
contains.

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Color

CIELCh(50, 34.149, 247.337)

Conversions

Conversions Part 1

Format	Color
Hex	0380AC
RGB	3, 128, 172
RGB Percent	1%, 50%, 67%
CMY	0.9890, 0.4982, 0.3257
CMYK	0.98, 0.26, 0.00, 0.33
HSL	196°, 97%, 34%
HSV	196°, 98%, 67%
XYZ	15.1879, 18.4187, 41.7556
YIQ	95.6410, -88.6240, -12.8160

Conversions

Conversions Part 2

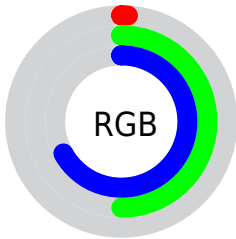
Format	Color
RYB	3, 75, 172
Decimal	229548
CIELab	50.00, -13.16, -31.51
CIELCh	50, 34.149, 247.337
Yxy	18.4187, 0.2015, 0.2444
Android (android.graphics.Color)	4278419628 (0xFF0380AC)
YUV	95.6410, 37.6450, -81.2462
Hunter-Lab	42.9170, -11.9354, -27.6437

Details

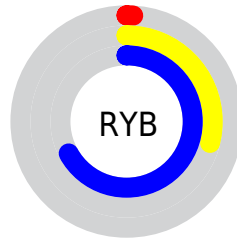
The CIELCh color **50, 34.149, 247.337** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **39, 70.564, 45.745**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 34.284, 247.313**, and **32, 28.988, 260.374** is the 20% darker color. If you saturate the color by 10%, you get **50, 34.397, 248.047**, and if you desaturate by 10%, it is **52, 32.662, 242.970**.

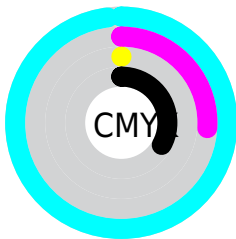
Distribution



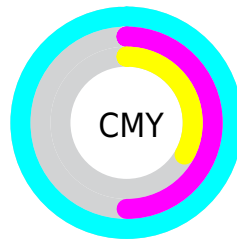
- Red (1%)
- Green (50%)
- Blue (67%)



- Red (1%)
- Yellow (29%)
- Blue (67%)



- Cyan (98%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)





- Cyan (99%)
- Magenta (50%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 34.149, 247.337 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 34.149, 247.337 by changing the saturation by 10% instead.


 50, 34.149,
247.337


 50, 34.149,
247.337


 100, 34.149,
247.337


 40, 34.149,
247.337


 70, 34.149,
247.337

 30, 34.149,
247.337


 80, 34.149,
247.337


 20, 34.149,
247.337

 90, 34.149,
247.337

 10, 34.149,
247.337

 0, 34.149, 247.337

 50, 34.149,
247.337

 50, 34.149,
247.337

■ 50, 34.397,
248.047

■ 52, 32.662,
242.970

■ 53, 30.852,
239.184

■ 55, 28.556,
236.066

■ 57, 25.718,
233.554

■ 59, 22.338,
231.563

■ 61, 18.453,
230.004

■ 63, 14.121,
228.796

■ 66, 9.412, 227.876

■ 68, 4.393, 227.216

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 34.149, 247.337



39, 70.564, 45.745

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 34.149, 247.337



50, 34.149, 297.337



50, 34.149, 67.337



50, 34.149, 117.337

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 34.148, 247.338



80, 18.417, 229.032



61, 80.642, 140.091



41, 12.377, 229.513



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 34.148, 247.338



64, 42.201, 248.991



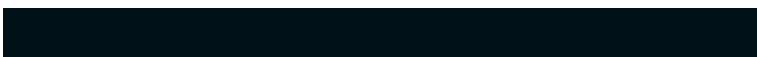
26, 80.331, 300.011



35, 2.987, 227.265



44, 31.076, 247.483



4, 6.396, 237.116

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39, 70.465, 341.713



50, 85.862, 342.272



57, 62.026, 83.820



34, 5.495, 333.291



33, 64.123, 341.765



2, 10.850, 336.147

Previews

White Background



This preview shows how the CIE LCh color 50, 34.149, 247.337 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 34.149, 247.337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

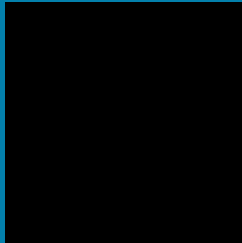
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 34.149, 247.337

Background



This preview shows how black text looks on a background with the CIELCh color 50, 34.149, 247.337.

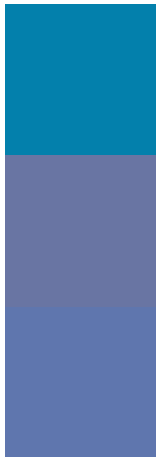


This preview shows how white text looks on a background with the CIELCh color 50, 34.149, 247.337.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
50, 34.149, 247.337

Protanopia
50, 27.072, 285.161

Deuteranopia
50, 33.168, 282.001



Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 34.149, 247.337

Protanomaly
49, 29.639, 262.575

Deuteranomaly
49, 33.141, 264.068

Tritanomaly
50, 29.781, 222.922

Monochromacy



Original Color
50, 34.149, 247.337

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 17.658, 231.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 34.149, 247.337 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(3, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(3, 128, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(3, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 128, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 34.149, 247.337 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(3, 128, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(3, 128, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(3, 128, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(3, 128,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 34.149, 247.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 128, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(3, 128,  
172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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